

Message

From: Steenland, Kyle [nsteenl@emory.edu]
Sent: 2/11/2015 4:06:38 PM
To: Krasnic, Toni [krasnic.toni@epa.gov]
CC: Schweer, Greg [Schweer.Greg@epa.gov]; Passe, Loraine [Passe.Loraine@epa.gov]
Subject: Re: pfoa question

Yes thanks, I did see the slide show with the link you sent, which seemed to be more about methods and results. I find the article below on pubmed, searching for Z Guo,, which has data on the C8 content of consumer articles.

Liu X, Guo Z, Krebs KA, Pope RH, Roache NF. Concentrations and trends of perfluorinated chemicals in potential indoor sources from 2007 through 2011 in the US. Chemosphere. 2014 Mar;98:51-7.

However this is only indirectly related, it seems, to the number of workers still exposed to PFOA. Table 2-2 in the economic report seems perhaps somewhat more relevant, as there are some production volumes. I would like to ask you a couple of questions about that Table. I will try to give you a call in an hour or so.

thanks
Kyle

From: Krasnic, Toni <krasnic.toni@epa.gov>
Sent: Wednesday, February 11, 2015 7:38 AM
To: Steenland, Kyle
Cc: Schweer, Greg; Passe, Loraine
Subject: RE: pfoa question

Hi Kyle,

The correct author was Zhishi Guo. Here's a link to his work on articles:
http://epa.gov/oppt/pfoa/pubs/PFOA%20Article%20Testing_Zhishi.pdf. He also had a number of published articles on this research.

Thanks,

Toni Krasnic
Existing Chemicals Branch
EPA/OCSP/OPPT/CCD/ECB
WJC East, 4134D | (202) 564-0984

From: Steenland, Kyle [mailto:nsteenl@emory.edu]
Sent: Tuesday, February 10, 2015 8:22 PM
To: Krasnic, Toni
Cc: Schweer, Greg; Passe, Loraine
Subject: Re: pfoa question

Tony, I believe you mentioned papers by an author named Zhao that I should look at, in addition to the Washington paper cited in the economic analysis you sent me. However, there is no Zhao in the references in that analysis. Can you point me to the relevant reference?

thanks
Kyle

From: Krasnic, Toni <krasnic.toni@epa.gov>
Sent: Friday, February 6, 2015 12:00:51 PM
To: Steenland, Kyle
Cc: Schweer, Greg; Passe, Loraine
Subject: RE: pfoa question

Dear Prof. Steenland,

As discussed, please find links below to:

- SNUR published on 1/21/15: <http://www.regulations.gov/#!documentDetail;D=EPA-HQ-OPPT-2013-0225-0001>
- Economic Analysis accompanying the SNUR: <http://www.regulations.gov/#!documentDetail;D=EPA-HQ-OPPT-2013-0225-0034>
- Other supporting documents: <http://www.regulations.gov/#!docketBrowser;rpp=50;po=0;dct=SR%252BO;D=EPA-HQ-OPPT-2013-0225>
- Releases from articles: http://epa.gov/oppt/pfoa/pubs/PFOA%20Article%20Testing_Zhishi.pdf

Please let me know if you have any other questions.

Thanks,

Toni Krasnic
Existing Chemicals Branch
EPA/OCSP/OPPT/CCD/ECB
WJC East, 4134D | (202) 564-0984

From: Steenland, Kyle [<mailto:nsteenl@emory.edu>]
Sent: Friday, February 06, 2015 10:56 AM
To: Schweer, Greg
Subject: RE: pfoa question

Greg, any hope to get any more information from your end?

I am curious about the once-upon-a-time rumored listing of state sites where PFOA was being used on the EPA website. Apparently that was taken off the website...

Thanks
Kyle

From: Steenland, Kyle
Sent: Wednesday, February 04, 2015 10:00 AM
To: 'Schweer, Greg'
Subject: RE: pfoa question

Greg, unfortunately, this does not.

Here is what I have in the grant so far.

"While US production of PFOA has been phased out, and while 8 large companies have signed a consent agreement with EPA to quit using PFOA by 2015, workers at other companies using PFOA continue to be exposed. The

EPA "remains concerned about LCPFCs (long chain PFCs) being produced by companies that are not participating in the stewardship program" (www.epa.gov/oppt/pfoa/index.html) and notes that "PFOA is used in the manufacture of fluoropolymers. Fluoropolymers are used in a wide variety of industrial and consumer products, including non-stick cookware, chemical and fire-resistant cables and tubing, and waterproof, breathable clothing" (www.epa.gov/opptintr/pfoa/pubs/faq.html#2010). It should be noted that long chain fluoropolymers, of which there are many used in manufacturing, generally break down to PFOA and result therefore in PFOA exposure to workers."

I was hoping that EPA would have some further information on actual use of PFOA. I believe at some point you had on your website a state by state listing of where PFOA was used, although I cannot find it now.

Reviewers have asked for more information, preferably quantitative. I believe if I can further document use, ie that this is an ongoing occupational issue, this grant has a much stronger chance of success.

The grant is a proposal to further follow a cohort of Dupont workers (see attached article for our previous follow up)

Is there any chance to get more information? Could we speak on the phone this afternoon, say at 1 or 2PM?

Thanks

Kyle

404 712 8288

From: Schweer, Greg [<mailto:Schweer.Greg@epa.gov>]

Sent: Wednesday, February 04, 2015 9:54 AM

To: Steenland, Kyle

Subject: FW: pfoa question

Kyle,

I hope this answers your question.

From: Krasnic, Toni

Sent: Wednesday, February 04, 2015 9:15 AM

To: Schweer, Greg

Cc: Passe, Loraine; Allison, Rose

Subject: RE: pfoa question

Hi Greg,

PFOA was manufactured only by DuPont and it was phased out in 2013 (see http://www2.dupont.com/PFOA2/en_US/phaseout/PFOA_phaseout.html).

Also, there are no imports of PFOA.

Please let me know if any questions.

Thanks,

Toni Krasnic

Existing Chemicals Branch

EPA/OCSP/OPPT/CCD/ECB

WJC East, 4134D | (202) 564-0984

From: Schweer, Greg
Sent: Monday, February 02, 2015 7:46 AM
To: Krasnic, Toni
Subject: FW: pfoa question

Toni,

Do we have any info that can be shared?

From: Steenland, Kyle [<mailto:nsteenl@emory.edu>]
Sent: Friday, January 30, 2015 11:44 AM
To: Schweer, Greg
Subject: RE: pfoa question

Hello, I have not heard back, did this get lost in the shuffle? I am trying to get more info on how much PFOA use there is in the US..

Thanks
Kyle Steenland

From: Steenland, Kyle
Sent: Monday, January 19, 2015 2:30 PM
To: Schweer.Greg@epa.gov
Subject: Re: pfoa question

Hello. As an update to my note below, and our later phone conversation, my grant application was reviewed favorably but did not have a good enough score to be funded. Instead I need to submit a revised proposal. To that end, I am wondering whether EPA has any more information on the continued use of PFOA in the US, outside of the 8 companies who have agreed to a phase-out plan.

thanks
Kyle Steenland
Professor, Emory U, Rollins School of Public Health
404 712 8277

From: Steenland, Kyle
Sent: Monday, February 3, 2014 12:07 PM
To: Schweer.Greg@epa.gov
Subject: pfoa question

Hi, I just left you a phone message. David Michaels at OSHA gave me your phone number

I am a Professor in Env Hlth at Rollins School of Public Health, at Emory U, and have worked on PFOA of the last 6 or so years as part of the C8 Science Panel (c8sciencepanel.org).

I am about to submit a grant application to follow further a cohort of workers at the DuPont plant in W Va.

I would like to know the extent to which workers are still exposed to PFOA. My feeling is that there are lots of small manufacturing plants still using PFOA, but I don't have any evidence for this. Would you have some information about this? I don't think PFOA is being produced in the US any more and I think the large plants like Dupont and 3M have

probably minimized its use. I believe under a consent process 8 large manufacturers have agreed to phase out PFOA by 2015.

Thanks

Kyle Steenland

404 712 8277